

Fig. 1

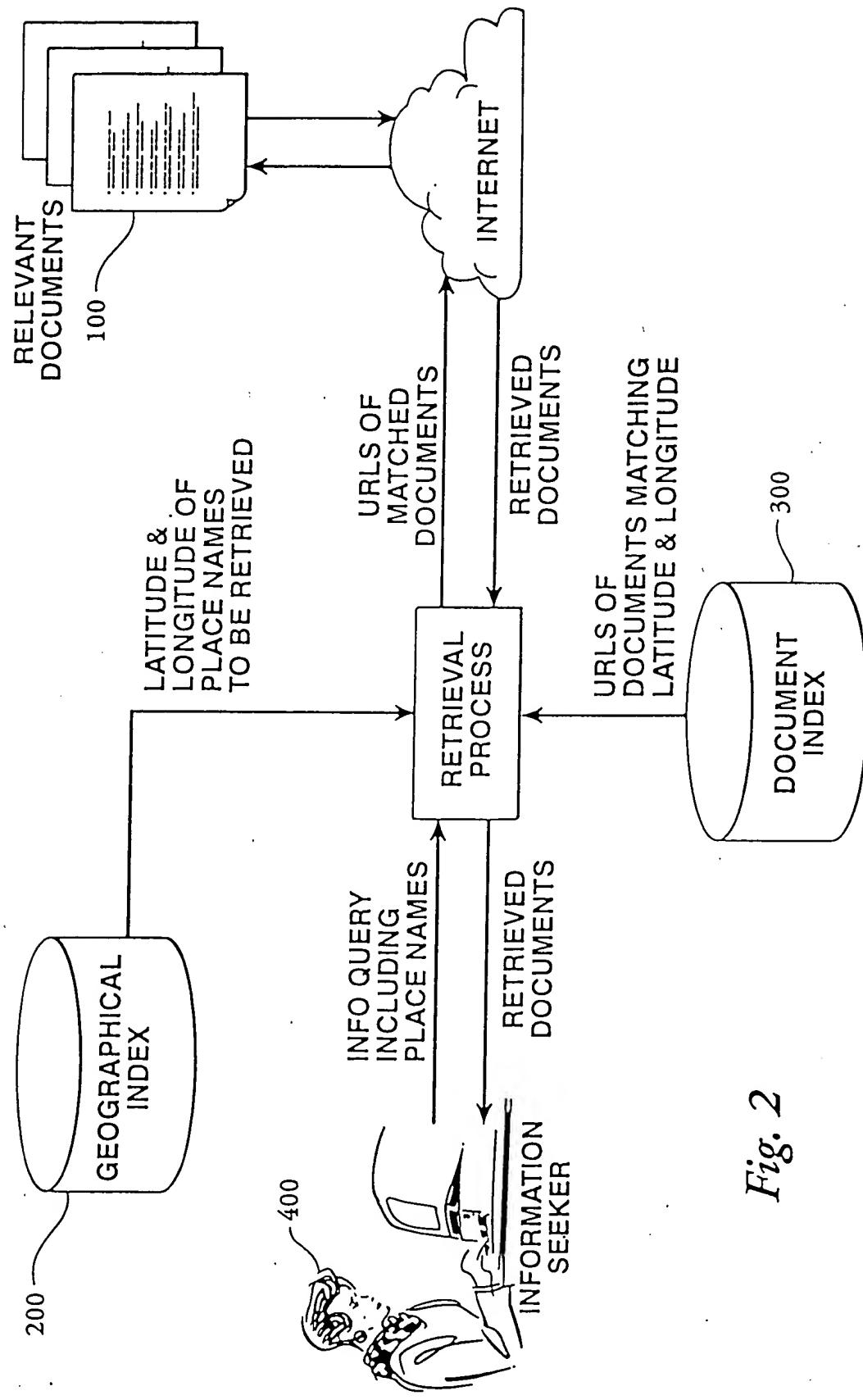


Fig. 2

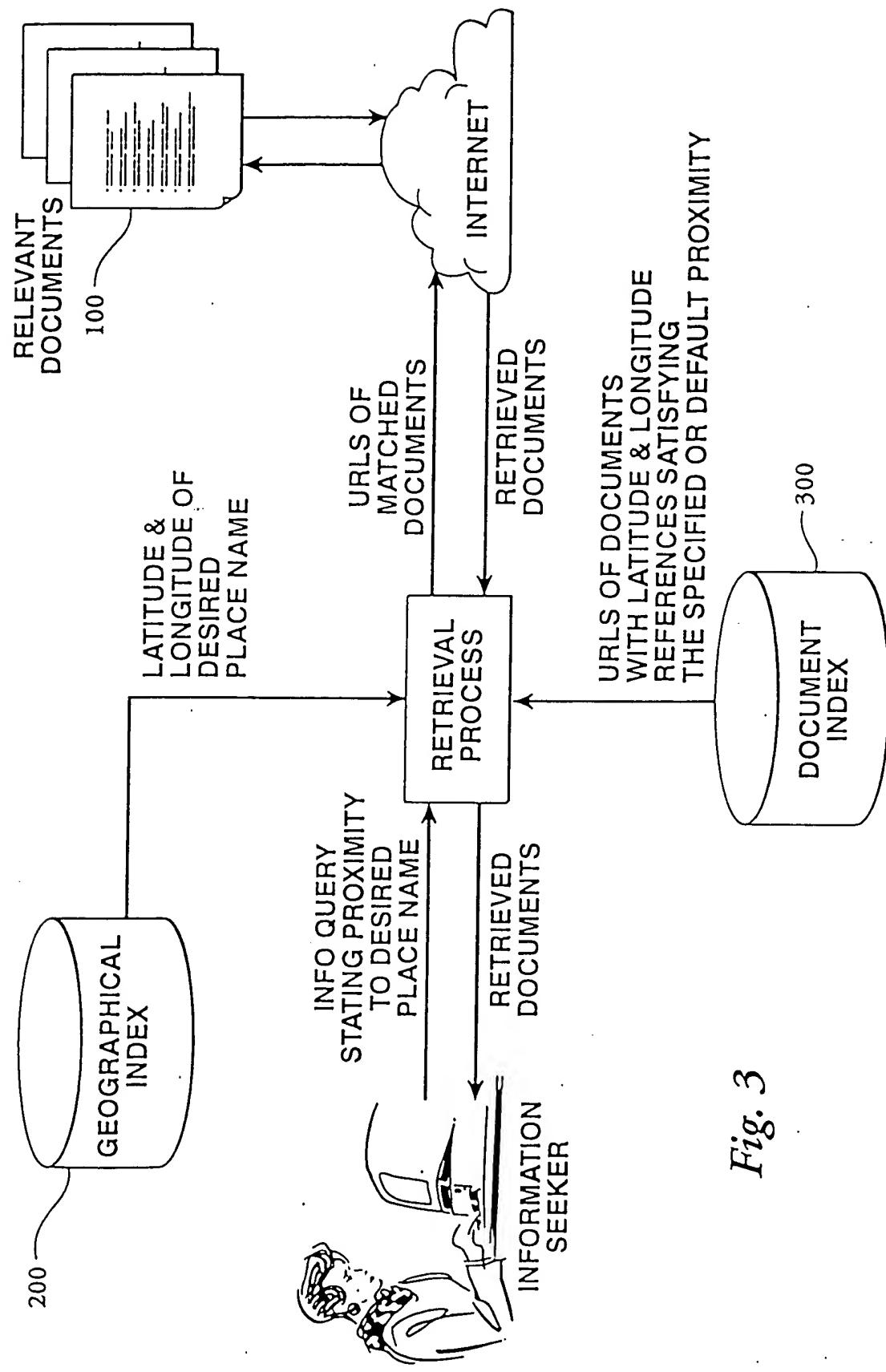
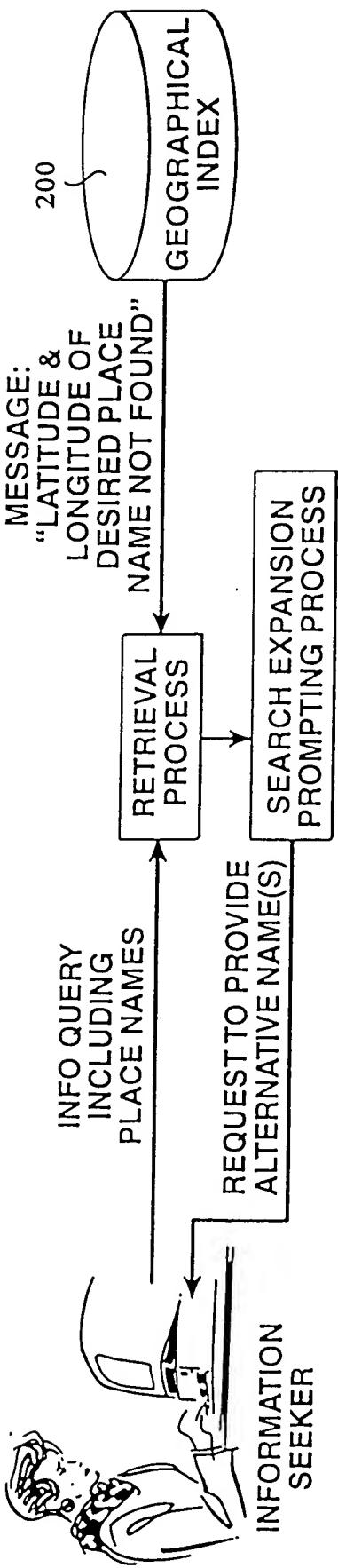
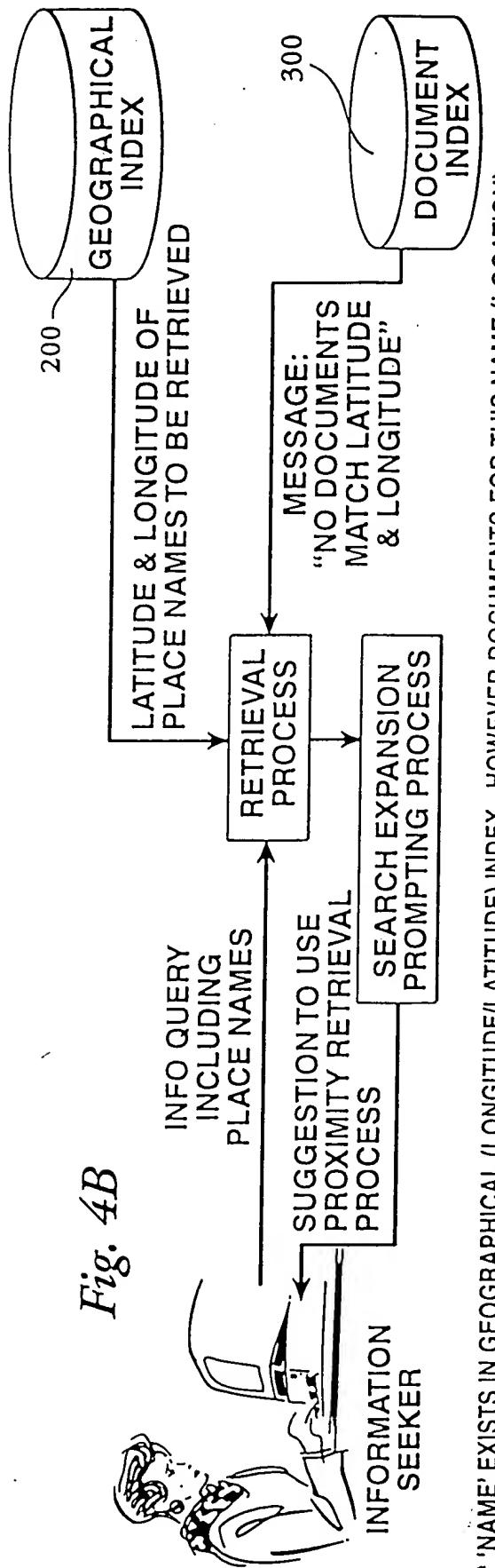


Fig. 3



\* NAME NOT FOUND IN GEOGRAPHICAL (LATITUDE/LATITUDE) INDEX.  
DO NOT EXIST. RETURN TO USER AND REQUEST EXPANSION OF SEARCH PARAMETERS.



\* 'NAME' EXISTS IN GEOGRAPHICAL (LATITUDE/LATITUDE) INDEX. HOWEVER DOCUMENTS FOR THIS NAME (LOCATION) DO NOT EXIST. RETURN TO USER PARTY (USER) AND REQUEST EXPANSION OF SEARCH PARAMETERS.

COMPONENT 1: UPDATE INDEXES FOR DOCUMENTS TO BE ACCESSED.

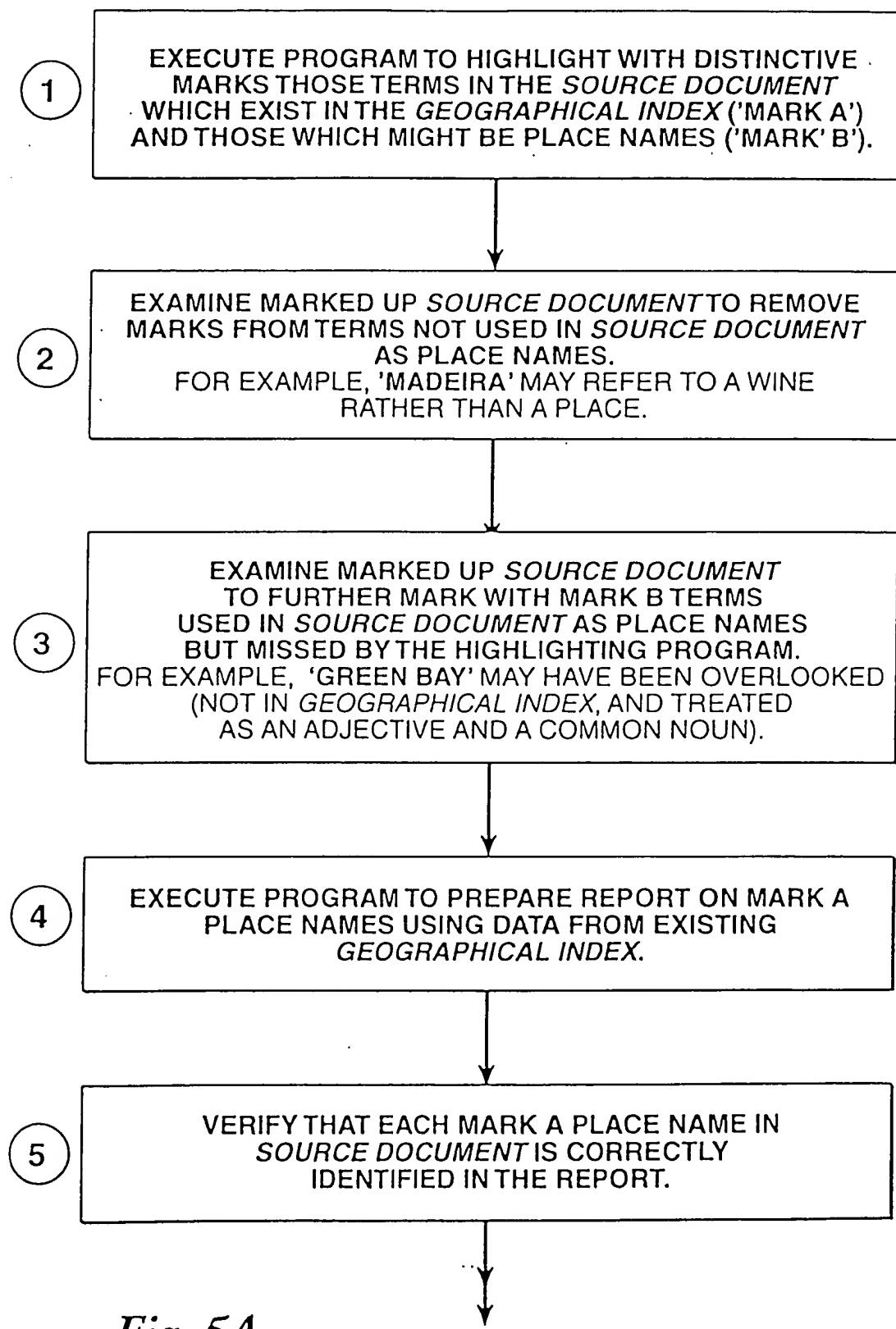


Fig. 5A

## COMPONENT 1 (CONTINUED)

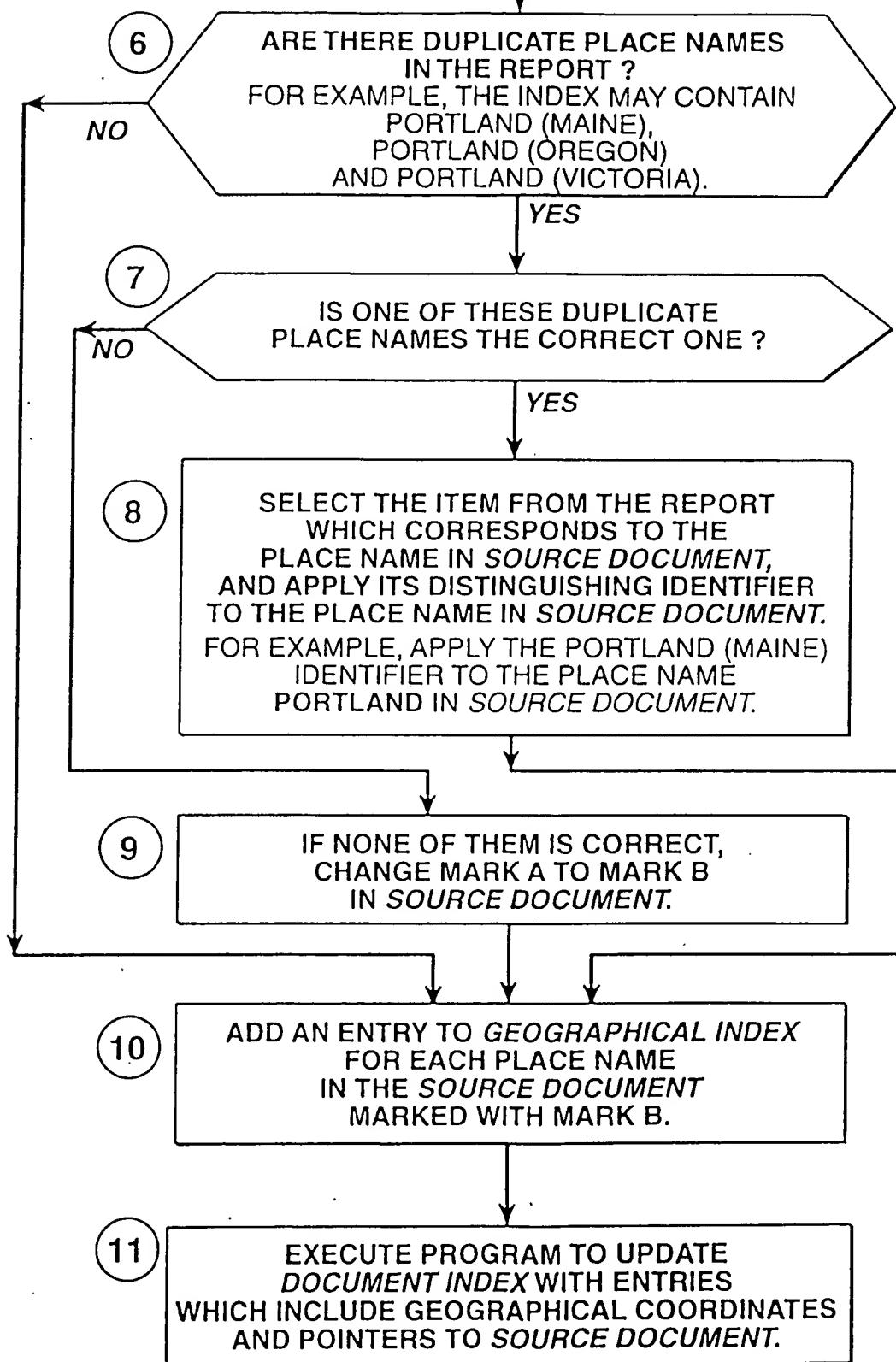


Fig. 5B

COMPONENT 2: RETRIEVE DOCUMENTS  
CONTAINING DESIRED PLACE NAME.

00000000000000000000000000000000

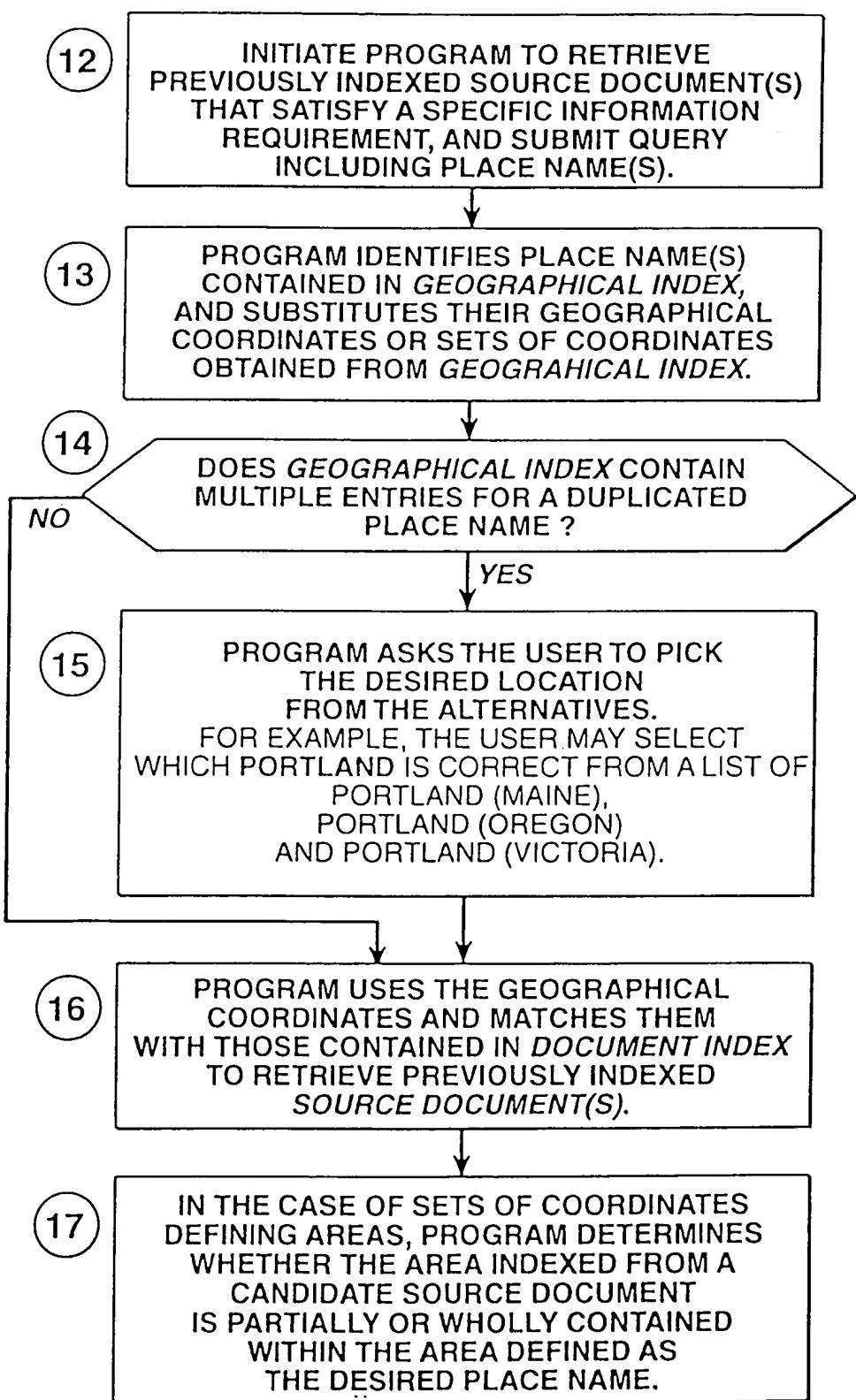


Fig. 6

COMPONENT 3: RETRIEVE DOCUMENTS BASED ON PROXIMITY TO DESIRED PLACE NAME.

THIS IS A SPECIAL CASE OF COMPONENT 2.  
ADDITIONAL STEPS ARE:

MONITORING & CONTROL

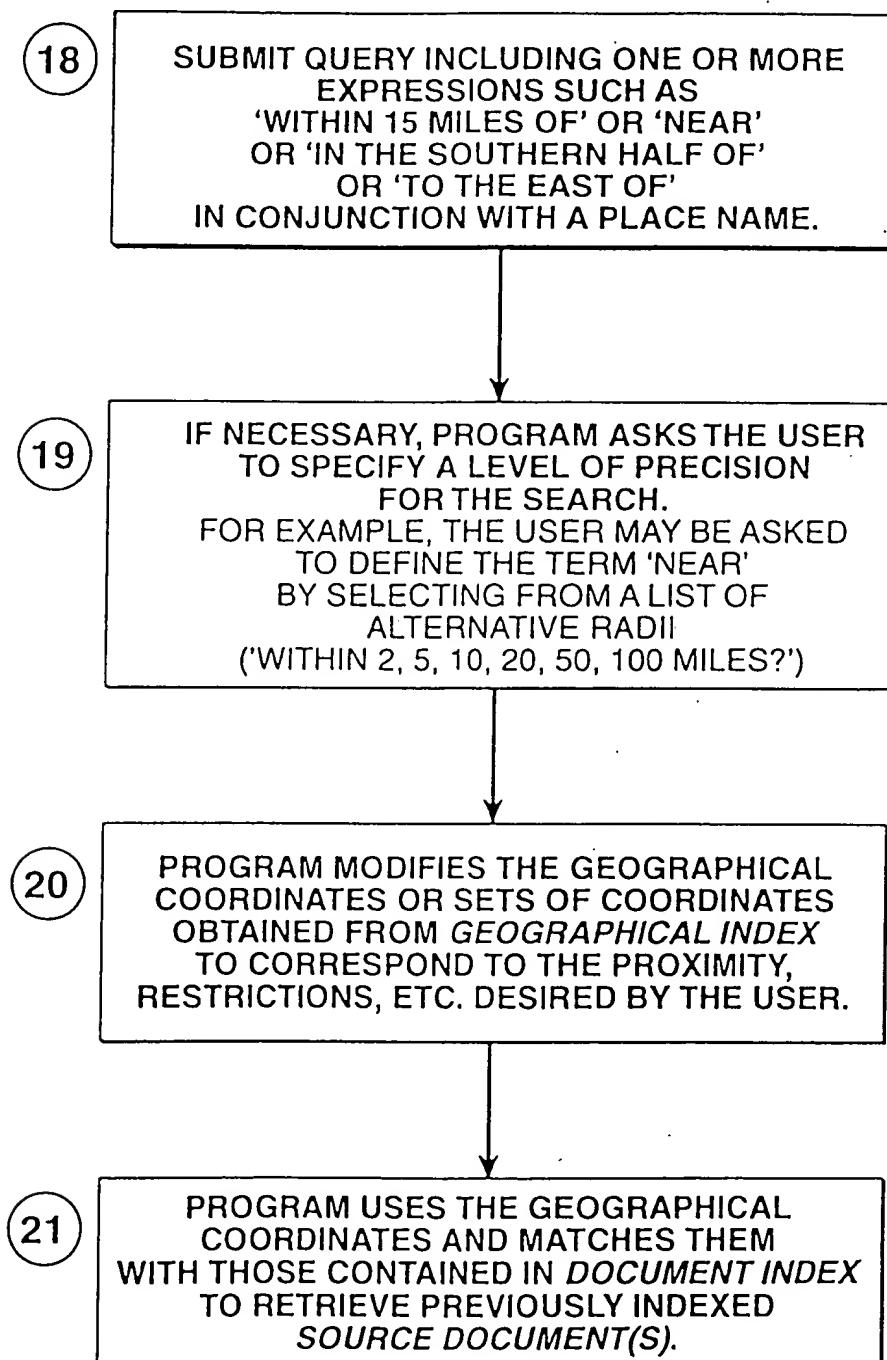


Fig. 7

COMPONENT 4: EXPAND SEARCH AREA FOR POORLY SATISFIED QUERIES.

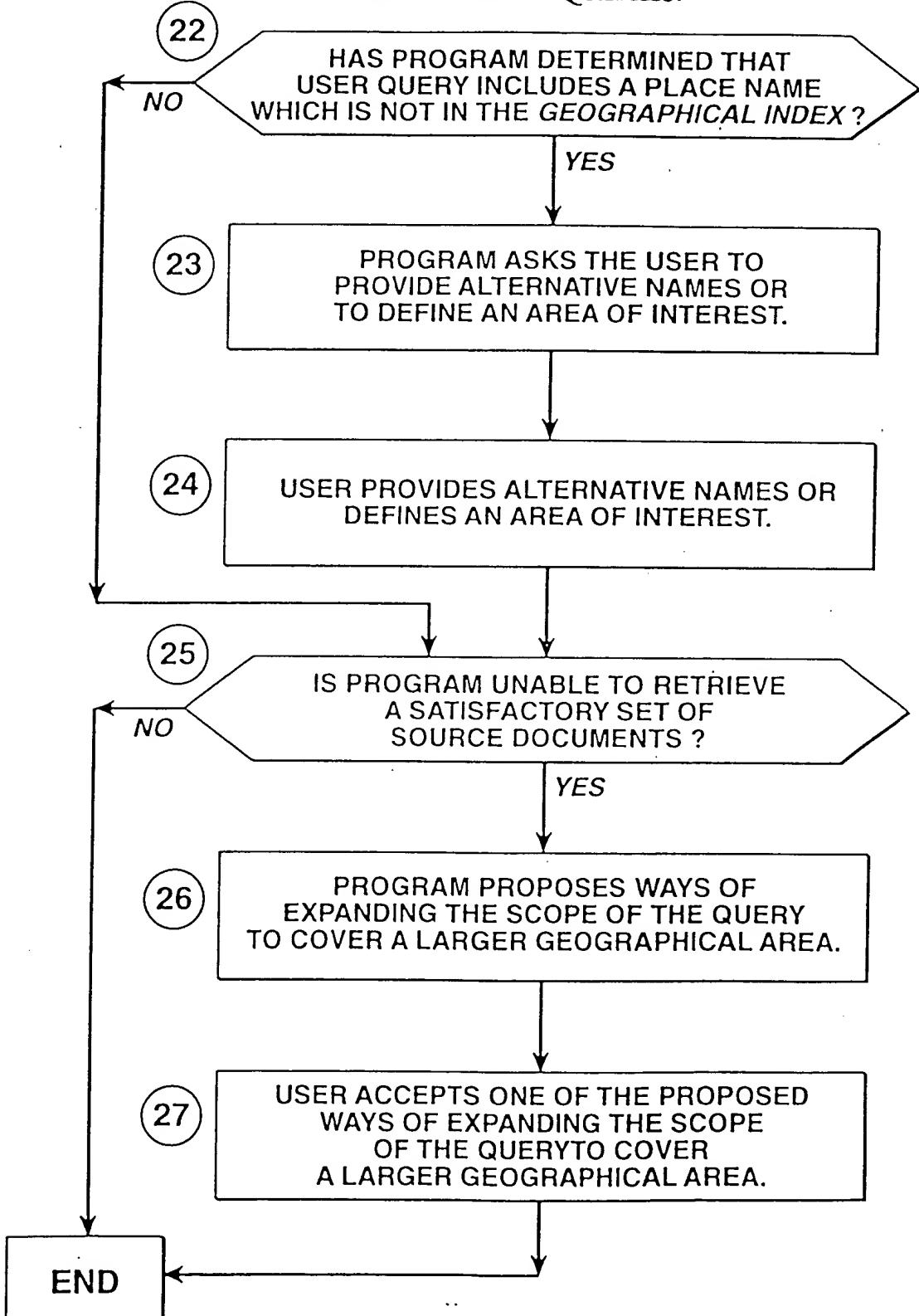


Fig. 8

